

above flood stage was reached on the 14th. Estimated damage in this basin was \$25,000.

The Smoky Hill River overflowed slightly at Abilene, Kans. Overflow was due largely to water from the Solomon and Saline Rivers; practically no damage occurred in this basin.

Arkansas Basin.—Record-breaking floods occurred in the smaller streams of the Panhandle sections of Texas and Oklahoma as a result of heavy and general rains that occurred during the period October 4–10. Precipitation ranged from 1 to more than 8 inches, with the heaviest rain falling in the period from the 4th to the 6th. Considerable damage to crops, livestock, and property occurred in the upper North Canadian River Basin.

Press and other reports indicate that unusually high water levels were reached in the headwaters of the North Canadian River. The uppermost station operated by the Weather Bureau, Woodward, Okla., reported a crest of 9.8 feet at midnight, October 9–10, the fourth highest stage of record since 1919. Rainfall was light east of Woodward and the flood peak was reduced rapidly as it moved downstream. It is interesting to note that the time of crest travel from Woodward to El Reno, Okla., was 138 hours; it normally takes from 48 to 72 hours.

West Gulf of Mexico Drainage.—Heavy rain along the lower central section of the Guadalupe River produced severe flood conditions in the vicinity of Victoria, Tex. The United States Geological Survey reports that a stage of 31.6 feet was reached at the Victoria gaging station. This exceeded slightly the record flood of 1936 at Victoria. Water entered the town and spread over wide sections of farm lands. There was also some overflow of the Nueces River at Three Rivers, Tex., and the San Antonio River at Goliad, Tex.

The Rio Grande exceeded flood stage by 0.2 foot at Mercedes, Tex., on the 12th as a result of locally heavy rain, but little or no damage was reported.

FLOOD STAGE REPORT FOR OCTOBER 1946

[All dates in October unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest ¹	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE					
Waccamaw: Conway, S. C.	<i>Feet</i> 7	Aug. 31	Sept. 7	<i>Feet</i> 7.6	Sept. 3-4
MISSISSIPPI SYSTEM					
<i>Missouri Basin</i>					
Solomon:					
Beloit, Kans.	18	7	13	26.9	11
Minneapolis, Kans.	26	14	15	27.0	14
Niles, Kans.	24	15	16	26.4	16
Saline: Tescott, Kans.	25	12	14	28.4	14
Smoky Hill: Abilene, Kans.	22	16	18	23.4	17
Republican:					
Bloomington, Nebr.	8	{ 6 8 11	{ 6 9 11	{ 8.4 9.0 8.2	{ 6 9 11
Guide Rock, Nebr.	10	7	13	{ 11.1 11.6 12.4	{ 7 10 12
Hardy, Nebr.	11	{ 10 12	{ 10 13	{ 11.2 11.5	{ 10 13
Scandia, Kans.	10	{ 10 12	{ 10 13	{ 10.2 10.6	{ 10 13
Concordia, Kans.	8	13	13	8.2	13
Clay Center, Kans.	15	8	14	{ 15.6 16.2	{ 10 14
<i>Arkansas Basin</i>					
North Canadian:					
Woodward, Okla.	5	7	12	9.8	9-10
Canton, Okla.	9	9	13	{ 11.0 13.0	{ 9 12
Yukon, Okla.	11	10	18	{ 11.4 14.5	{ 10 16
Canadian: Union City, Okla.	6	8	10	{ 7.6 7.8	{ 8 10
Arkansas: Great Bend, Kans.	8	9	12	9.0	11
WEST GULF OF MEXICO DRAINAGE					
San Antonio: Goliad, Tex.	35	{ 1 17	{ 3 18	{ 42.6 37.1	{ 2 18
Guadalupe: Victoria, Tex.	21	{ Sept. 29 16	{ Sept. 30 18	{ 21.6 31.6	{ Sept. 30 17
Nueces: Three Rivers, Tex.	37	12	19	42.7	13
Rio Grande: Mercedes, Tex.	21	12	12	21.2	12

¹ Provisional.